Supplementary Information for Legislative Review

1989 - 1990 Estimates

Manitoba
Energy and Mines

SUPPLEMENTARY INFORMATION
FOR LEGISLATIVE REVIEW

DEPARTMENT OF ENERGY AND MINES
1989 - 90 ESTIMATES

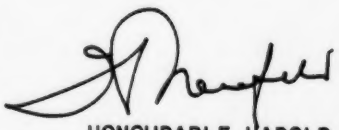
90-02934/

PREFACE

THIS ESTIMATES SUPPLEMENT IS PRODUCED BY THE DEPARTMENT OF ENERGY AND MINES TO PROVIDE BACKGROUND ON DEPARTMENTAL OPERATIONS AND TO COMPLEMENT INFORMATION CONTAINED IN THE PRINTED MAIN ESTIMATES. THE ADDITIONAL INFORMATION IS INTENDED TO ASSIST MEMBERS OF THE LEGISLATURE IN THEIR REVIEW OF THE DEPARTMENT'S ESTIMATES.

THE CONTENTS OF THIS DOCUMENT ARE ORGANIZED INTO THREE PARTS. THE FIRST PART PROVIDES AN OVERVIEW OF THE DEPARTMENT'S BUDGET REQUIREMENTS. THE SECOND PART PROVIDES A DETAILED ANALYSIS OF DEPARTMENTAL PROGRAMS, ORGANIZED ON THE BASIS OF EXISTING MAIN APPROPRIATIONS SO AS TO PROVIDE AN EASY CROSS REFERENCE TO THE PRINTED MAIN ESTIMATES. PART THREE PROVIDES A STAFFING AND EXPENDITURE SUMMARY FOR THE PREVIOUS FOUR YEARS, AND COMPARES THESE WITH THE 1989/90 ESTIMATES.

THIS SUPPLEMENT HAS BEEN DESIGNED TO PROVIDE MEANINGFUL INFORMATION TO MEMBERS. MY DEPARTMENT WELCOMES MEMBERS' COMMENTS ON THE CONTENT, FORM, AND USEFULNESS OF THIS SUPPLEMENTARY INFORMATION, TOGETHER WITH ANY SUGGESTIONS FOR IMPROVING THE SUPPLEMENT TO BETTER SERVE MEMBERS' NEEDS.



HONOURABLE HAROLD NEUFELD
MINISTER OF ENERGY AND MINES

INDEX

	Page
PREFACE	
GLOSSARY	ii
PART 1 - DEPARTMENTAL OVERVIEW	1
. General Information	
Schedule 1 - Organization Chart	4
Schedule 2 - Statutory Responsibilities	5
. Expenditure Summary 1989/90	
Schedule 3 - By Main Appropriation	6
Schedule 4 - Percentage Distribution by Operating Division	7
Schedule 5 - By Salaries, Operating & Grants	8
. Staff Year Summary 1989/90	
Schedule 6 - Percentage Distribution of Expenditures by Salaries/ Operating/Grants	9
Schedule 7 - Percentage Distribution of Staff Years by Operating Division	9
Schedule 8 - By Appropriation	10
Schedule 9 - By Staff Category	11
PART 2 - DETAILED FINANCIAL INFORMATION	13
. Administration & Finance	15
. Energy	23
. Mineral Resources	35
. Manitoba Energy Authority	46
PART 3 - HISTORICAL INFORMATION	51
. Departmental Comparison 1985/86 - 1989/90	
Appendix 1 - Five Year Expenditure and Staffing Summary by Main Appropriation	52
. Five Year Expenditure History	
Appendix 2 - By Operating Division	53
. Five Year Staff History	
Appendix 3 - By Operating Division	54
Appendix 4 - Departmental Staffing	54

GLOSSARY

STAFF CATEGORIES

Managerial

Positions which have been **delegated the authority** and have the **responsibility** to plan, administer, and control the resources and activities of a defined organizational unit in the Manitoba Government. Managers in these positions are **directly and fully accountable for:**

1. the utilization of resources in achieving planned objectives, including the development of a budget and the initiation and authorization of expenditures; and

2. the organization's results and impacts.

Professional/Technical

Employees who have duties that relate to specific areas of program operations requiring some functional specialization.

Examples of positions in this category are Planning Analysts, Engineers, Geologists, Technicians, Inspectors and Cartographers.

NOTE: Employees who are managers and who are also classified in one of the above professional/technical positions shall be categorized only once, as managerial.

Administrative Support

Employees who provide support and assistance to program operations.

Examples of positions in this category are Administrative Secretaries, Clerks and Administrative Officers.

Staffing Component

Fractions of staff years represent weeks of employment. For example: 65.20 Staff Years means 65 full Staff Years and 20 weeks of employment.

EXPENDITURE CATEGORIES

Personnel Services	Regular Earnings Other Earnings (overtime, shift premium), Departmental Ministers and Members of Legislative Assembly, Fringe benefits, other (Worker's Compensation Allowance, Supplement), Health and Education Tax Levy, Personnel Services Recoveries.
Grants/Transfer Payments	Discretionary grant, Nondiscretionary grant, Transfer payment.
Transportation	Vehicles, Aircraft, Other (taxi, bus, rail, freight).
Communication	Telephone, Electronic mail, Postage, Advertising, Exhibits, Radio systems, Couriers.
Supplies and Services	Operating supplies, Materials, Office supplies, Repairs and Maintenance, Utilities, Rentals, Professional Services, Other Fees, Supplies and Services Recovery.
Public Debt	Debt Redemption, Interest on Debt, Discount on Debt, Amortization, Bank Charges, Foreign Exchange, Sinking Fund, other charges.
Capital	Land, Buildings, Furniture, Vehicles, Equipment, Capital Grants, Other Physical Assets.
Other Operating	Hotels, Meals, Computer related charges, Loss, damage, insurance and extraordinary costs, Publications, Employee Education Assistance, Relocation and transfer costs, Other (membership fees, hospitality, uniforms, conference/convention registration fees, incidental allowances).

OTHER TERMINOLOGY

Adjusted Vote	Is a re-alignment of previous year's vote to reflect any organizational change and provide a more accurate and realistic comparisons from one budget year to the next.
Variance Explanations	Explanations for significant increases or decreases in Other Expend'tures from the Adjusted Vote. Depending on the size of the Adjusted Vote, explanations are given where the level of significance is as shown below:

SIZE OF ADJUSTED VOTE	LEVEL OF SIGNIFICANCE
Up to $500,000	20% or over
$ 500,000 - $1,000,000	15% or over
$1,000,100 - $5,000,000	10% or over
$5,000,100 and over	5% or over

PART 1
DEPARTMENTAL OVERVIEW

DEPARTMENT OF ENERGY AND MINES

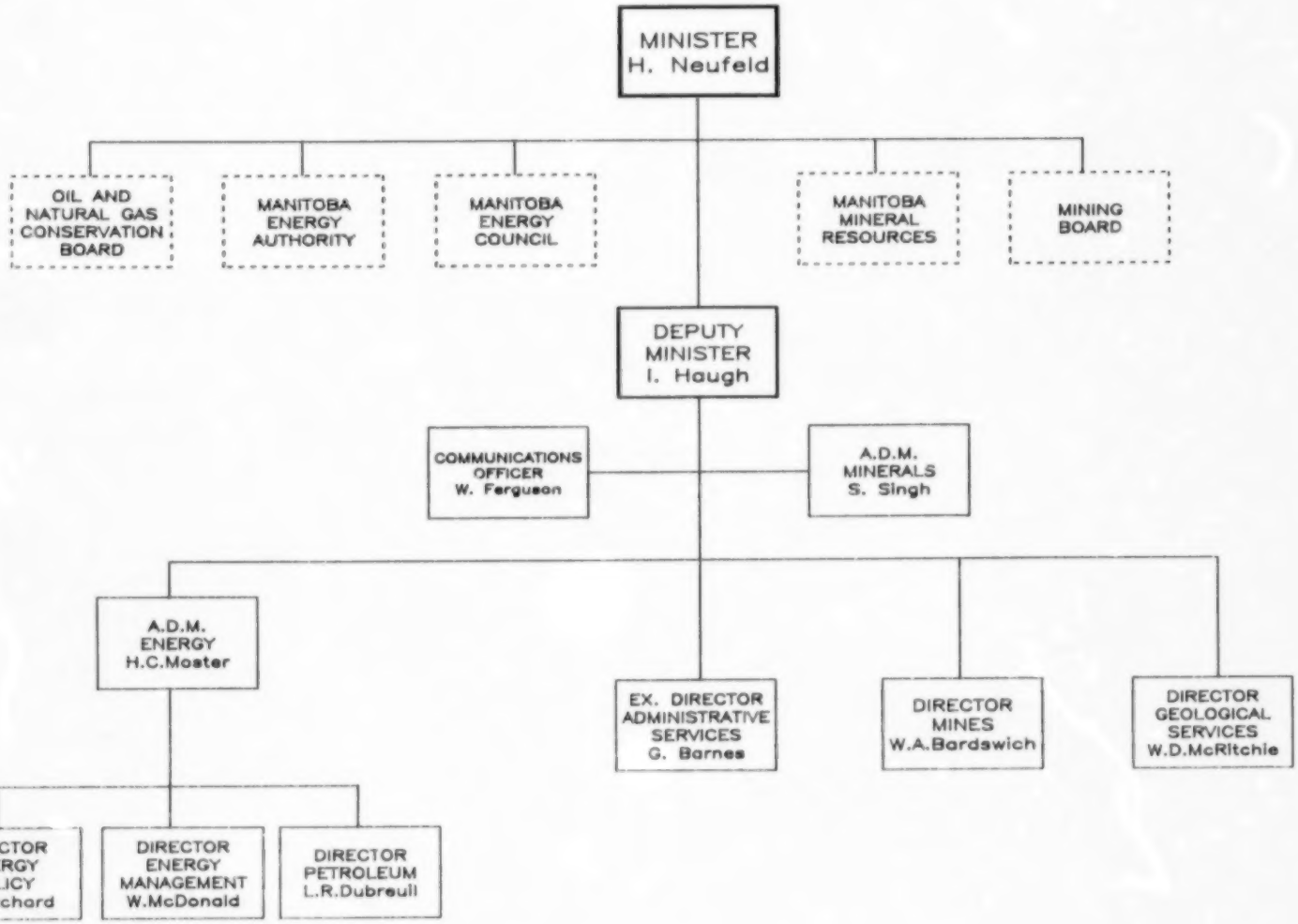
Manitoba is endowed with substantial mineral and energy resources, and the development and use of these resources underpins a large portion of the provincial economy.

The Department of Energy and Mines has legislative and policy responsibilities to ensure that Manitoba's energy and mineral resources are developed and managed in a manner which is beneficial to all residents of the province today and in the future.

The Department was formed November 15, 1979 when the Mineral Resources Division of the then Department of Mines, Natural Resources and Environment was combined with the Manitoba Energy Council, then attached to the Department of Finance.

The Department is made up of operating and support divisions as outlined in the following Organization Chart. A description of the role and responsibilities of each of these divisions is included in Part II.

MANITOBA ENERGY AND MINES
Senior Management



STATUTORY RESPONSIBILITIES OF THE MINISTER OF ENERGY AND MINES

The Manitoba Energy Authority Act

The Manitoba Energy Council Act

The Manitoba Energy Foundation Act

The Gas Pipe Line Act

The Gas Storage and Allocation Act

The Greater Winnipeg Gas Distribution Act

The Homeowners Tax and Insulation Assistance Act (Part III)

The Industrial Minerals Drilling Act

The Manitoba Natural Resources Development Act (as it applies to Manitoba Mineral Resources Ltd.)

The Mineral Exploration Assistance Act

The Mines Act

The Mining and Metallurgy Compensation Act

The Natural Gas Supply Act

The Oil and Gas Production Tax Act*

The Pipe Line Act

*The responsibility for The Oil and Gas Production Tax Act was transferred from the Department of Finance effective October 1, 1988 (OIC 1293/88).

SCHEDULE 3

Adjusted Vote 1988/89	ENERGY AND MINES (XXIII)	Year Ending March 31, 1990
	SUMMARY OF PROGRAMS	
	CURRENT OPERATING EXPENDITURES	
1,548,000	1. Administration and Finance	1,593,000
4,455,000	2. Energy	3,709,300
5,265,200	3. Mineral Resources	5,390,000 [1]
1,500,000	4. Manitoba Energy Authority	1,323,100
12,768,200	* TOTAL FOR DEPARTMENT OF ENERGY AND MINES	12,015,400 [1]

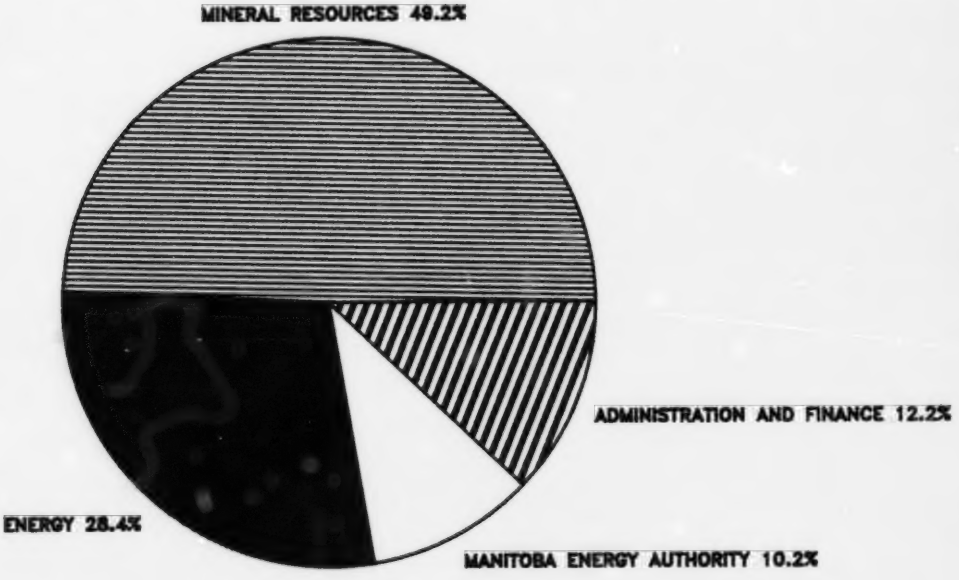
*RECONCILIATION STATEMENT

Details	1988/89 Estimates
1988/89 Main Estimates	13,589,000
Transfer of Functions from:	
Finance	26,900
Transfer of Functions to:	
Health	(35,000)
Housing	(70,000)
Allocation of Funds to:	
Canada-Manitoba Enabling Vote Re:	
Mineral Development Agreement	(742,700)
1988/89 Adjusted Vote	12,768,200

Note 1: In addition, $1,031,300 is included in the Canada/Manitoba Enabling Vote for the Canada/Manitoba Mineral Development Agreement for a total Department Authorization of $13,046,700.

SCHEDULE 4

1989/90
MAIN ESTIMATES OF EXPENDITURE
PERCENTAGE DISTRIBUTION
BY OPERATING DIVISION



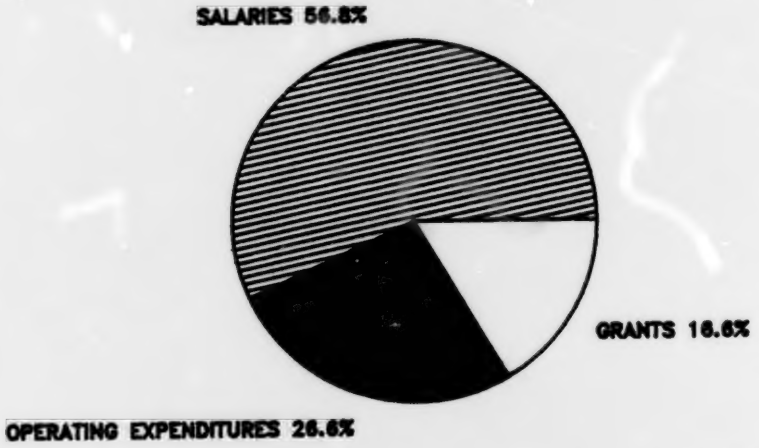
SCHEDULE 5

DEPARTMENT OF ENERGY AND MINES
EXPENDITURE SUMMARY
BY SALARIES, OPERATING & GRANTS

Element	Adjusted Vote 1988/89	Year Ending March 31, 1990
SALARIES (Details on Schedule 6)	7,728,700	7,409,000
Less: Funded in Canada-Manitoba Enabling Vote - Mineral Development Agreement (ERDA)	(419,700)	(355,300)
OPERATING EXPENDITURES (Excluding Grants/ Transfer Payments)	3,707,700	3,473,800
Less: Funded in Canada-Manitoba Enabling Vote - Mineral Development Agreement (ERDA)	(694,300)	(676,000)
OPERATING GRANTS/TRANSFER PAYMENTS	2,445,800	2,163,900
TOTAL FOR DEPARTMENT OF ENERGY AND MINES	12,768,200	12,015,400

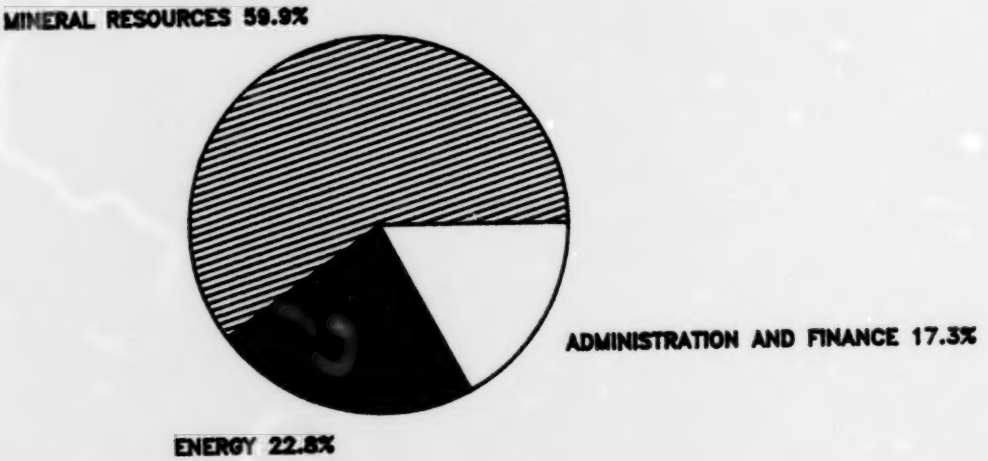
SCHEDULE 6

1989/90
DEPARTMENT OF ENERGY AND MINES
PERCENTAGE DISTRIBUTION OF EXPENDITURES
BY SALARIES, OPERATING AND GRANTS



SCHEDULE 7

1989/90 STAFF YEAR SUMMARY
PERCENTAGE DISTRIBUTION OF STAFF YEARS
BY OPERATING DIVISION



DEPARTMENT OF ENERGY AND MINES
STAFF YEAR SUMMARY
BY APPROPRIATION

SCHEDULE 8

Res. No.	Appro.No.	Activity	Adjusted Vote 1988/89 SY	Adjusted Vote 1988/89 Salaries	Year Ending March 31, 1990 SY	Year Ending March 31, 1990 Salaries	
36	23-1	**Administration and Finance**					
	23-1(a)	Minister's Salary	1:00	20,600	1:00	20,600	
	23-1(b)	Executive Support	7:00	267,300	7:00	335,500	
	23-1(c)	Communications and Community Relations	10:26	354,700	10:26	373,000	
	23-1(d)	Administrative Services	16:00	527,300	15:00	518,400	
		Total	34:26	1,169,900	33:26	1,247,500	
37	23-2	**Energy**					
	23-2(a)	Energy Administration	2:00	87,300	2:00	90,800	
	23-2(b)	Energy Policy	13:00	643,700	8:00	377,400	
	23-2(c)	Energy Management	18:00	740,100	14:00	565,700	
	23-2(d)	Petroleum	20:00	699,200	20:00	720,400	
	23-2(e)	Manitoba Energy Council	--	--	--	--	
		Total	53:00	2,170,300	44:00	1,754,300	
38	23-3	**Mineral Resources**					
	23-3(a)	Mineral Resources Admin.	4:00	197,200	4:00	201,000	
	23-3(b)	Mines	39:26	1,459,400	39:26	1,519,900	
	23-3(c)	Geological Services	52:00	2,032,400	52:00	2,094,200	
	23-3(d)	Canada-Manitoba Mineral Development Agreement (ERDA)	24:22	699,500	20:22	592,100	
		Total	119:48	4,388,500	115:48	4,407,200	
	23-4	**Manitoba Energy Authority**	---	---	---	---	
39	23	**TOTAL FOR ENERGY AND MINES**	207:22	7,728,700	193:22	7,409,000	1

Note 1: The total dollar amount for staff salaries above must be reduced for transfers of $355,300 to the Canada/Manitoba Enabling Vote - Mineral Development Agreement, to arrive at net salary costs of $7,053,700.

SCHEDULE 9

DEPARTMENT OF ENERGY AND MINES
STAFF YEAR SUMMARY
BY STAFF CATEGORY

	Managerial		Professional/ Technical		Administrative Support		Total	
Division	SY	$	SY	$	SY	$	SY	$
Administration & Finance	8:00	461,400	11:00	389,500	14:26	396,600	33:26	1,247,500
Energy Division	11:00	618,200	18:00	747,200	15:00	388,900	44:00	1,754,300
Minerals Division	13:00	733,800	78:22	2,993,300	24:26	680,100	115:48	4,407,200
TOTAL	32:00	1,813,400	107:22	4,130,000	54:00	1,465,600	193:22	7,409,000

Note 1: The total dollar amount for the staff categories above must be reduced for transfer of $355,300 to the Canada/Manitoba Enabling Vote - Mineral Development Agreement, to arrive at net salary costs of $7,053,700.

PART 2
DETAILED FINANCIAL INFORMATION

Adjusted Vote 1988/89	Appro. No.	Energy and Mines (XXIII) Details of Appro.	Year Ending March 31, 1990	Resolution No.
1,548,000	1.	ADMINISTRATION AND FINANCE	1,593,000	37
		. Provides for the executive management of the Department, overall planning and policy direction to the Department and coordination of departmental activities.		
		. Provides centralized communications, financial, human resource management, computer systems and other central services to the Department.		

				Reference Number
20,600	1(a)	Minister's Salary	20,600	1
355,600	1(b)	Executive Support	418,800	2
548,100	1(c)	Communications & Community Relations . . .	548,400	3
623,700	1(d)	Administrative Services	605,200	4
1,548,000			1,593,000	

Sub-Appropriation No. 1A

REFERENCE NO. 1

MINISTER'S SALARY

Adjusted Vote 1988-89 SY	Adjusted Vote 1988-89 $		Year Ending March 31, 1990 SY	Year Ending March 31, 1990 $
1:00	20,600	PERSONNEL	1:00	20,600
1:00	20,600		1:00	20,600

Sub-Appropriation No. 1B

REFERENCE NO. 2

EXECUTIVE SUPPORT

Objectives/Activities

. Advises the Minister on energy and mineral matters.

. Coordinates and manages the activities of the Department.

Adjusted Vote 1988-89 SY	Adjusted Vote 1988-89 $		Year Ending March 31, 1990 SY	Year Ending March 31, 1990 $
		PERSONNEL		
1:00	77,600	Managerial	1:00	138,800
2:00	75,200	Professional/Technical	2:00	74,300
4:00	114,500	Administrative Support	4:00	122,400
7:00	267,300	Total Personnel	7:00	335,500
		OTHER EXPENDITURES		
	20,600	Transportation		20,600
	25,100	Communication		21,100
	22,600	Supplies and Services		21,600
	20,000	Other Operating		20,000
	88,300	Total Other Expenditures		83,300
	355,600	TOTAL EXPENDITURES		418,800

Sub-Appropriation No. 1C

REFERENCE NO. 3

COMMUNICATIONS AND COMMUNITY RELATIONS

Objectives

- To maintain an easily accessible Info Centre, with a mobile component, to provide Manitobans with accurate and up-to-date information on energy conservation and management, minerals, including petroleum, and hydro development.

- To provide communications counsel, plans, and service to the Department and agencies reporting to the Minister.

Activity Identification

- Maintains an Info Centre on the fifth floor of Eaton Place and a Mobile Info Centre which annually visits 25 communities throughout the province.

- Sets up and staffs displays at various locations throughout the province including the annual Energy Conservation Week; commissions and supervises the production of appropriate display materials.

- Produces speeches, advertising, news releases, audio-visual programs, feature articles and brochures as appropriate and as requested.

- Provides library services to meet the resource/research needs of the Department.

Expected Results

- The average monthly public contacts made through the Info Centre and the Mobile Info Centre by telephone, letter, and in person will be in the order of 25,200 per year.

Sub-Appropriation No. 1C

REFERENCE NO. 3

COMMUNICATIONS AND COMMUNITY RELATIONS

Adjusted Vote 1988-89			Year Ending March 31, 1990	
SY	$		SY	$
		PERSONNEL		
2:00	93,900	Managerial	2:00	96,600
5:00	176,600	Professional/Technical	5:00	181,100
3:26	84,200	Administrative Support	3:26	95,300
10:26	354,700	Total Personnel	10:26	373,000
		OTHER EXPENDITURES		
	26,000	Transportation		26,000
	85,900	Communication		77,900
	64,300	Supplies and Services		54,300
	17,200	Other Operating		17,200
	193,400	Total Other Expenditures		175,400
	548,100	TOTAL EXPENDITURES		548,400

Sub-Appropriation No. 1D

REFERENCE NO. 4

ADMINISTRATIVE SERVICES

Objectives

To provide centralized administrative services in support of the Department's programs. The support services cover finance, personnel, operations, computer systems and administrative policy.

Activity Identification

- Provides financial, accounting and budgetary services to the Department including: coordination of the estimates process; payment of accounts and other financial transactions; expenditure monitoring; revenue accounting; financial reporting and internal audit.

- Provides personnel services including: recruitment and selection; job evaluation; training and development; performance management; employee relations; payroll, benefits and records; and coordination of Affirmative Action, French Language Services and workplace safety and health.

- Provides computer systems services including the development and implementation of automated systems; evaluation and acquisition of equipment; user education; maintenance and backup to the main word processing equipment; and coordination of services between branch clients and hardware/software vendors.

- Provides general administrative services including coordination of requests for office accommodation and equipment; photocopy and courier services; vehicle assignments; records management; and coordination of requests for access under Freedom of Information.

Expected Results

- Administrative support services which are responsive to departmental needs and are in accordance with government policy.

- Preparation of management reports on matters relating to financial, personnel, computer systems and operational support services.

- Effective representation of the Department in responding to central agencies.

Sub-Appropriation No. 1D

REFERENCE NO. 4

ADMINISTRATIVE SERVICES

Adjusted Vote 1988-89			Year Ending March 31, 1990	
SY	$		SY	$
		PERSONNEL		
4:00	198,400	Managerial	4:00	205,400
4:00	135,300	Professional/Technical	4:00	134,100
8:00	193,600	Administratve Support	7:00	178,900[1]
16:00	527,300	Total Personnel	15:00	518,400
		OTHER EXPENDITURES		
	14,800	Transportation		13,000
	18,500	Communication		18,500
	37,500	Supplies and Services		33,700
	25,600	Other Operating		21,600
	96,400	Total Other Expenditures		86,800
	623,700	TOTAL EXPENDITURES		605,200

[1] Reduction of 1:00 SY due to decrease in administrative support services.

Adjusted Vote 1988/89	Appro. No.	Energy and Mines (XXIII) Details of Appro.	Year Ending March 31, 1990	Resolution No.
4,455,000	2.	ENERGY	3,709,300	38
		. Provides overall direction to programs related to the development and management of energy resources.		
		. Provides economic and policy analyses in support of the Department's energy management responsibilities.		
		. Provides energy research and information services for departmental executive.		
		. Provides a comprehensive range of energy conservation programs to reduce energy use in various sectors of the Manitoba economy.		
		. Provides on-site energy audits to businesses and community institutions to identify potential energy savings.		
		. Provides on-site audits and offers financial assistance to homeowners to identify and implement energy savings in the residential sector.		
		. Provides for the administration and management of the province's petroleum resources, including exploration, development, production and transportation of crude oil and natural gas.		
				Reference Number
97,300	2(a)	Energy Administration	100,800	1
1,046,900	2(b)	Energy Policy	444,600	2
2,463,000	2(c)	Energy Management	2,300,000	3
842,800	2(d)	Petroleum	863,900	4
5,000	2(e)	Manitoba Energy Council	—	5
4,455,000			3,709,300	

Sub-Appropriation No. 2A

REFERENCE NO. 1

ENERGY ADMINISTRATION

Objective

To provide overall direction to programs related to the development and management of energy resources in accordance with government policy and legislation and in order to provide maximum benefits to the province.

Activity Identification

- Develops, administers and reviews energy resource policy and related legislation and taxation.
- Determines and provides policy direction to program managers in the three operating branches of the division: Energy Policy, Energy Management and Petroleum.
- Determines and allocates human and financial resources within established constraints, and manages these resources in accordance with established policies.
- Establishes strategic goals for energy programs in accordance with government direction and policy, monitors and assesses program results and determines necessary changes.
- Maintains liaison with senior personnel in other departments, governments, agencies, and the energy industry on matters related to the development and management of energy resources.

Expected Results

- Legislation, regulations and policies that meet government objectives.
- Positive reaction from energy industry and the public in general to programs, activities and initiatives of the division.
- Programs achieved within budget allocations.
- Resolution and control of issues in the energy sector and the division.
- Sound energy resource development activity in the province.
- Quality energy information and timely service to the public.
- Effective liaison established and maintained with other departments, governments, agencies and energy industry.
- Agreements and contracts with other governments and the energy industry related to advancing energy efficiency.

Sub-Appropriation No. 2A

REFERENCE NO. 1

ENERGY ADMINISTRATION

Adjusted Vote 1988-89			Year Ending March 31, 1990	
SY	$		SY	$
		PERSONNEL		
1:00	64,800	Managerial	1:00	65,600
--	--	Professional/Technical	--	--
1:00	22,500	Administrative Support	1:00	25,200
2:00	87,300	Total Personnel	2:00	90,800
		OTHER EXPENDITURES		
	4,500	Transportation		4,500
	2,500	Communication		2,500
	500	Supplies and Services		500
	500	Capital		500
	2,000	Other Operating		2,000
	10,000	Total Other Expenditures		10,000
	97,300	TOTAL EXPENDITURES		100,800

Sub-Appropriation No. 2B

REFERENCE NO. 2

ENERGY POLICY

Objectives

To monitor and assess energy matters having implications for the cost, supply, and use of energy within the province; to assess anticipated and emerging energy issues within a strategic planning process; and to recommend policy and program options for cost-effective energy sourcing and use.

Activity Identification

Activities of the Energy Policy Branch are carried out by two sections, Energy Resources and Energy Planning.

A. Energy Resources:

- Monitors and assesses energy matters for their implications to Manitoba; represents the province in regulatory proceedings involving Manitoba's energy interests.

- Examines current and future energy needs and supply options as a strategic planning process to develop policy recommendations and define program initiatives.

B. Energy Planning:

- Examines and forecasts consumer energy use and end user energy costs; develops strategies for obtaining Manitoba's long-term energy requirements at reasonable costs; and identifies opportunities for improving the efficiency of energy use within Manitoba.

- Evaluates energy programs to measure objective achievement and cost effectiveness.

Expected Results

- Cabinet and Executive briefing documents, and reports providing strategic analyses and recommendations for implementing specific energy program and development thrusts.

- Market analyses of key energy forms produced or used in Manitoba and financial analyses of existing and proposed development projects in the energy sector.

- Evaluation of existing energy programs.

Sub-Appropriation No. 2B

REFERENCE NO. 2

ENERGY POLICY

Adjusted Vote 1988-89			Year Ending March 31, 1990		
SY	$		SY	$	
		PERSONNEL			
4:00	225,800	Managerial	3:00	170,200	
8:00	393,600	Professional/Technical	4:00	182,000	
1:00	24,300	Administrative Support	1:00	25,200	
13:00	643,700	Total Personnel	8:00	377,400	1
		OTHER EXPENDITURES			
	10,000	Transportation		10,000	
	6,000	Communication		6,000	
	367,100	Supplies and Services		31,100	
	20,100	Other Operating		20,100	
	403,200	Total Other Expenditures		67,200	2
	1,046,900	TOTAL EXPENDITURES		444,600	

1 Reduction of 5:00 SY's due to departmental reorganization.

2 Reduction in Supplies and Services related to professional fees for natural gas related activities.

Sub-Appropriation No. 2C

REFERENCE NO. 3

ENERGY MANAGEMENT

Objectives

To promote the wise and efficient use of energy to maximize short and long-term benefits for the people of Manitoba.

Activity Identification

Energy Management Branch is divided into two sections, Industrial/Renewable and Residential.

A. Industrial/Renewable:

- Provides a comprehensive information service, including on-site energy audits, seminars and publications, designed to assist and provide direction and guidance to industrial, commercial, institutional and agricultural clients in the province.

- Provides funding assistance and information transfer to demonstrate "leading edge" energy efficient technologies and use of indigenous alternative fuels in all economic sectors.

- Accumulates a database of energy consumption statistics to assist with future provincial energy policy direction.

B. Residential:

- Provides a comprehensive information service. Programs in place include a residential advisory program (Home CHEC-UP), "How-to" Retrofit Booklets, Home Energy Saver Workshops, and Retailer Training Workshop, to educate and assist homeowners and contractors engaged in residential energy retrofits.

- Provides financial assistance as an incentive to homeowners to implement cost-effective retrofits. Programs in place include the CHEC Loan Program.

- Maintains quality control by conducting inspections and assisting clients and contractors with workmanship problems.

Expected Results

A. Industrial/Renewable:

Program clients are expected to achieve savings in the order of 20 percent, leading to more viable operation. Demonstration projects are expected to lead to larger savings and/or widespread replication.

B. Residential:

An optimum reduction of 20 percent in energy demand for the residential sector while reducing homeowner energy costs, improving living conditions and creating jobs.

Sub-Appropriation No. 2C

REFERENCE NO. 3

ENERGY MANAGEMENT

Adjusted Vote 1988-89			Year Ending March 31, 1990	
SY	$		SY	$
		PERSONNEL		
5:00	263,000	Managerial	3:00	168,600
9:00	377,000	Professional/Technical	7:00	292,700
4:00	100,100	Administrative Support	4:00	104,400
18:00	740,100	Total Personnel	14:00	565,700 [1]
		OTHER EXPENDITURES		
	840,800	Grants/Transfer Payments		840,800
	14,500	Transportation		14,500
	88,500	Communication		88,500
	739,600	Supplies and Services		751,000
	6,000	Capital		6,000
	33,500	Other Operating		33,500
	1,722,900	Total Other Expenditures		1,734,300
	2,463,000	TOTAL EXPENDITURES		2,300,000

[1] Reduction of 4:00 SY's is due to restructuring of energy management programs.

Sub-Appropriation No. 2D

REFERENCE NO. 4

PETROLEUM

Objectives

To ensure that the province's crude oil and natural gas resources are explored and developed in accordance with government policy and legislation and in a manner which maximizes benefits to the people of Manitoba while minimizing effects on the environment and other land users.

Activity Identification

- Plans, recommends, implements, administers, monitors and evaluates petroleum resource policies.
- Administers regulations under The Mines Act governing the disposition of Crown oil and natural gas rights.
- Administers and enforces regulations under The Mines Act governing geophysical exploration, drilling and production operations.
- Collects petroleum revenues, royalties and taxes.
- Administers The Oil and Gas Production Tax Act, The Pipe Line Act and The Gas Storage and Allocation Act.
- Collects, records and publishes production statistics.
- Provides technical assistance to The Oil and Natural Gas Conservation Board.
- Conducts technical studies and publishes reports designed to assist and encourage new exploration and development and to maximize recovery of existing reserves.
- Provides consultation to the petroleum industry and information to the general public.

Expected Results

- Legislation, regulations and policies that meet government objectives.
- A petroleum industry that is kept well informed of new policies and government initiatives and that complies with regulatory requirements.
- A competitive environment to attract and maintain reasonable levels of petroleum exploration and development activity.
- Accurate and up-to-date Crown oil and natural gas rights information.
- Two public sales of Crown oil and natural gas leases each year.

Sub-Appropriation No. 2D

REFERENCE NO. 4

PETROLEUM

Expected Results (cont'd)

- Timely collection of petroleum revenues including Crown royalties and oil and gas production taxes and administration of petroleum incentive programs.
- Accurate processing, within established time guidelines, of all applications received.
- Licensing of all new wells and geophysical programs in accordance with regulatory requirements.
- Preparation and publication of two to four technical reports each year on Manitoba's petroleum potential.
- Timely information on petroleum activities in the province is provided to industry and the general public.

Adjusted Vote 1988-89			Year Ending March 31, 1990	
SY	$		SY	$
		PERSONNEL		
4:00	211,900	Managerial	4:00	213,800
7:00	264,100	Professional/Technical	7:00	272,500
9:00	223,200	Administrative Support	9:00	234,100
20:00	699,200	Total Personnel	20:00	720,400
		OTHER EXPENDITURES		
	28,500	Transportation		29,000
	51,700	Communication		51,900
	37,600	Supplies and Services		37,800
	--	Capital		10,000
	25,800	Other Operating		14,800
	143,600	Total Other Expenditures		143,500
	842,800	TOTAL EXPENDITURES		863,900

Sub-Appropriation No. 2E

REFERENCE NO. 5

MANITOBA ENERGY COUNCIL

The Council was established by the Manitoba Energy Council Act in 1980 to develop and propose to the Minister, programs and measures relating to the use, conservation, allocation or supply of energy; to disseminate to the public information regarding energy; and to provide the Minister with assessments and recommendations concerning energy policy.

With the subsequent formation of the Department of Energy and Mines and the Manitoba Energy Authority, the need for the Council greatly diminished in recent years.

Effective April 1, 1989, all appointments to the Council were rescinded and the need for the Act is being reviewed.

Adjusted Vote 1988-89			Year Ending March 31, 1990	
SY	$		SY	$
--	--	PERSONNEL	--	--
		OTHER EXPENDITURES		
	3,500	Personnel Services - Board Members		--
	500	Transportation		--
	100	Supplies & Services		--
	900	Other Operating		--
	5,000	Total Other Expenditures		--
	5,000	TOTAL EXPENDITURES		-- [1]

[1] Elimination of funding due to non-existence of Council.

Adjusted Vote 1988/89	Appro. No.	Energy and Mines (XXIII) Details of Appro.	Year Ending March 31, 1990	Resolution No.
5,265,200	3.	MINERAL RESOURCES	5,390,000	38
		. Provides for the administration and management, including economic and policy analyses, of the province's mineral resources to ensure that they are explored, developed and extracted in a manner consistent with accepted practices of good husbandry and for the benefit of all Manitobans.		
		. Provides for identification and documentation of the province's geology and mineral resources for use in mineral exploration, land use planning, and in addressing environmental concerns.		
		. Provides for improved efficiency of mineral exploration in the province, the pioneering of safer and more productive mining methods, and for the identification of new markets and products for Manitoba's mineral resources.		
				Reference Number
242,200	3(a)	Mineral Resources Administration	246,000	1
2,013,900	3(b)	Mines	2,127,500	2
2,266,500	3(c)	Geological Services	2,329,100	3
742,600	3(d)	Canada-Manitoba Mineral Development Agreement (ERDA)	687,400	4
5,265,200			5,390,000	

Sub-Appropriation No. 3A

REFERENCE NO. 1

MINERAL RESOURCES ADMINISTRATION

Objectives

To develop and manage the provincial mineral resources in accordance with government policy and legislation in order to provide maximum long-term benefits to the province, including the development and recommendation of appropriate mineral policy.

Activity Identification

- Maintains liaison with senior personnel in the mineral industry (provincial, national and international).
- Undertakes mineral tax policy review and development and conducts economic and financial analyses which provide an information base for the definition and promotion of mineral development strategies in the province.
- Negotiates agreements with current and potential mineral resource developers.
- Deals with other departments, municipal governments and Crown agencies on matters involving mineral resources and the mining industry.
- Maintains an up-to-date statistical information base on mining and exploration activity in the province.
- Monitors current mineral industry trends and changing technologies, keeping the Minister and Deputy Minister informed and aware of major implications, adjusting existing programs as deemed necessary.
- Participates in government/industry initiatives to mitigate problems facing single industry communities with respect to cyclical and structural difficulties facing Manitoba's mining industry.
- Overall provincial management of the Canada-Manitoba Mineral Development Agreement and specific responsibility for Sector C (Mineral Development Opportunities) and the evaluation and administrative function of Sector D.

Expected Results

- Reports of federal/provincial/territorial task forces.
- Cabinet and Treasury Board submissions.
- Memos, letters, briefing and position papers for the Minister and Deputy Minister, providing analyses and recommendations for implementing specific mineral policy and development programs.
- Letters to senior federal personnel, provincial and territorial officials and senior industry personnel.
- Analyses of existing and proposed development projects in Manitoba's mineral resource sector.

Sub-Appropriation No. 3A

REFERENCE NO. 1

MINERAL RESOURCES ADMINISTRATION

Adjusted Vote 1988-89			Year Ending March 31, 1990	
SY	$		SY	$
		PERSONNEL		
1:00	64,700	Managerial	1:00	65,600
2:00	108,900	Professional/Technical	2:00	110,200
1:00	23,600	Administrative Support	1:00	25,200
4:00	197,200	Total Personnel	4:00	201,000
		OTHER EXPENDITURES		
	10,000	Transportation		10,000
	7,500	Communication		7,500
	6,000	Supplies and Services		6,000
	1,000	Capital		1,000
	20,500	Other Operating		20,500
	45,000	Total Other Expenditures		45,000
	242,200	TOTAL EXPENDITURES		246,000

Sub-Appropriation No. 3B

REFERENCE NO. 2

MINES

Objectives

The primary objective of the Mines Branch is to ensure that the mineral endowment of the province is explored, developed and extracted in a manner consistent with accepted practices of good husbandry and which provides the maximum benefits to the people of Manitoba.

Activity Identification

- Administers relevant sections of The Mines Act and The Industrial Minerals Drilling Act, as well as regulations under the Mines Act, including the Mineral Disposition Regulation and the Quarrying Minerals Regulation.

- Establishes and maintains an accurate and efficient record keeping system for mineral dispositions in order to ensure collection of all fees, rentals and royalties due to the Crown.

- Minimizes disputes involving mineral dispositions by maintaining an effective claims inspection service.

- Promotes exploration and development of mineral resources through compilation, evaluation and dissemination of geoscientific data.

- Completes an inventory of the aggregate resources in the province.

- Minimizes sterilization of mineral resources by conflicting land uses.

- Ensures that lands used for mining purposes are rehabilitated progressively and on abandonment of the mining operation.

- Provides management, engineering and administrative services to support development of Manitoba's potash resources.

Expected Results

- Compliance with the requirements of statutes and regulations (mine inspections).

- Successful completion of projects such as the development and distribution of maps and reports dealing with mineral resources.

- Resolution of mine claim disputes in a satisfactory manner.

- Records of mineral dispositions are accurate and up-to-date.

- Collection of all fees, rentals, and royalties and maintain record of mineral dispositions.

Sub-Appropriation No. 3B

REFERENCE NO. 2

MINES

Adjusted Vote 1988-89			Year Ending March 31, 1990	
SY	$		SY	$
		PERSONNEL		
5:00	282,400	Managerial	5:00	289,400
18:26	754,100	Professional/Technical	18:26	787,300
16:00	422,900	Administrative Support	16:00	443,200
39:26	1,459,400	Total Personnel	39:26	1,519,900
		OTHER EXPENDITURES		
	89,000	Transportation		95,600
	71,000	Communication		66,600
	117,000	Supplies and Services		126,600
	185,000	Public Debt		226,100
	9,500	Capital		6,800
	83,000	Other Operating		85,900
	554,500	Total Other Expenditures		607,600
	2,013,900	TOTAL EXPENDITURES		2,127,500

Sub-Appropriation No. 3C

REFERENCE NO. 3

GEOLOGICAL SERVICES

Objectives

To facilitate the development of Manitoba's mineral resources by providing authoritative documentation of the province's mineral endowment and development potential.

Activity Identification

- Conducts annual geological, geophysical and geochemical field surveys and investigations throughout the province to map, document, sample and evaluate rock and mineral resource potential in Manitoba.

- Expands the scope and extent of mineral exploration in Manitoba by generating new geological models and concepts to encourage and focus exploration for new types of mineral deposits. Encourages and fosters new developments in exploration technology.

- Provides relevant earth science information to assist mineral economic, environmental and land-use planning, as well as university research programs.

- Recommends and monitors federal minerals programming in Manitoba to complement and assist in the attainment of the above objectives.

- Provides analytical and editorial/cartographic services to the Department.

- Provides assays to claim holders with properties in good standing.

Expected Results

Release of the results of geological, geochemical and geophysical surveys in technical reports and maps as projects are completed. These outputs are augmented by:

- annual Report of Field Activities and preliminary maps (November); annual Progress Reports (May); and Public Meetings with Industry (November); displays and poster sessions at provincial and national conferences;

- regional briefing sessions in each of the mining districts prior to summer field seasons, as well as tours and demonstrations in areas of mining potential;

- technical reports, papers and talks given at provincial, national and international symposia;

- technical advice to policy advisors, senior administration and mineral explorationists;

- on-the-job field training program (three months duration) for university students.

Sub-Appropriation No. 3C

REFERENCE NO. 3

GEOLOGICAL SERVICES

Adjusted Vote 1988-89			Year Ending March 31, 1990	
SY	$		SY	$
		PERSONNEL		
6:00	315,700	Managerial	6:00	321,100
40:00	1,538,500	Professional/Technical	40:00	1,593,600
6:00	178,200	Administrative Support	6:00	179,500
52:00	2,032,400	Total Personnel	52:00	2,094,200
		OTHER EXPENDITURES		
	15,500	Transportation		15,500
	63,200	Communication		60,600
	105,500	Supplies and Services		106,300
	39,000	Capital		39,000
	10,900	Other Operating		13,500
	234,100	Total Other Expenditures		234,900
	2,266,500	TOTAL EXPENDITURES		2,329,100

Sub-Appropriation No. 3D

REFERENCE NO. 4

CANADA-MANITOBA MINERAL DEVELOPMENT AGREEMENT (ERDA)

Objectives

Sector A - Geoscientific Activities

To provide current geological, geophysical, geochemical maps and geoscience surveys as well as mineralogical and rock analyses in order to promote mineral exploration and development in the province.

Sector B - Mining and Minerals Technology Research & Development

To encourage use of current and new technology and to coordinate research projects in the mining and mineral processing sectors, in order to foster growth in the provincial economy as well as to assist in developing research facilities and expertise in relation to the environmental impact of the mining industry.

Sector C - Development Studies

To conduct marketing, financial and feasibility studies to promote new mineral developments and opportunities in the Province of Manitoba.

Sector D - Public Information, Evaluation and Administration

To chronicle the achievements of the agreement and maintain effective communications with interested parties in order to enhance the public's understanding of the province's mineral potential.

Activity Identification

Sector A - Geoscientific Activities

- Details, in an annual workplan, federal and provincial programming, copies of which are forwarded to senior officials in industry.
- Implements annual systematic mapping and sampling programs that will result in the effective documentation of the geology and mineral resources of Manitoba.

Sub-Appropriation No. 3D

REFERENCE NO. 4

CANADA-MANITOBA MINERAL DEVELOPMENT AGREEMENT (ERDA)

Activity Identification (cont'd)

Sector A - Geoscientific Activities (cont'd)

- Recommends and monitors federal mineral programs in Manitoba that will complement and assist in the attainment of the above objectives, particularly those implemented through the Canada-Manitoba Mineral Development Agreement.

Sector B - Mining and Minerals Technology, Research and Development

- Proposes basic research projects to industry in mining and mineral processing sectors.
- Receives proposals from industry for new projects.
- Encourages cost-sharing on research projects that are predominantly site specific.
- Participates with industry and consulting groups in developing mineral technology in Manitoba.
- Prepares and monitors research projects.
- Prepares annual plans for approval by the technical committee and management board.
- Monitors and reports on the progress of research projects.
- Promotes technical expertise in Manitoba through contract participation.

Sector C - Development Studies

- Conducts commodity-specific market and feasibility studies.

Sector D - Public Information, Evaluation and Administration

- Prepares brochures, newsletters, audio-visual programs, etc.
- Promotes industry, community and media relations.

Sub-Appropriation No. 3D

REFERENCE NO. 4

CANADA-MANITOBA MINERAL DEVELOPMENT AGREEMENT (ERDA)

Expected Results

Sector A - Geoscientific Activities

- Results of geological, geochemical and geophysical surveys are released in technical reports and maps issued periodically as projects are completed. These outputs are augmented by:
  - annual Report of Field Activities and preliminary maps (November);
  - annual Progress Reports (April-May);
  - annual Public Meetings with Industry (November);
  - regional briefing sessions in each of the mining districts prior to the summer field seasons;
  - field tours and demonstrations in areas of mining potential;
  - technical papers and talks given at provincial, national and international symposia;
  - displays and poster sessions at provincial and national conferences;
  - technical presentations given to policy advisors and senior administration;
- Demonstrated instances in which industry has initiated or escalated exploration programs based on advice from Geological Services Branch on Mineral Development Agreement outputs.
- On-the-job field training programs (three months duration) for university students.
- Ongoing consultations and advice to mineral explorationists.
- During 1988/89 and 1989/90 emphasis has/will be given to completing final reports and maps on 60 projects conducted during the agreement documenting the geological setting of industrial minerals, base, and precious metal mineral deposits in the province, as well as producing geological maps and compilations of a more regional nature.

Sector B - Mining and Minerals Technology, Research and Development

- Technical reports on research projects.
- Improved mineral process technology.
- Increased productivity and safer working environment.
- Distribution of technical data to mining industry through seminars and reports.

Sub-Appropriation No. 3D

REFERENCE NO. 4

CANADA-MANITOBA MINERAL DEVELOPMENT AGREEMENT (ERDA)

Expected Results (cont'd)

Sector C - Development Studies

- Outputs primarily in the form of reports, publications, briefing documents and recommendations. These outputs will help facilitate marketing and modernization of Manitoba's mineral processing industry, enhance the competitiveness of Manitoba's mineral producers, and identify and evaluate new opportunities for mineral development.

Sector D - Public Information, Evaluation and Administration

- The outputs of the public information activities include advertising, brochures, an audio-visual program for schools, a semi-annual newsletter, news releases, ministerial statements, feature articles and an appropriate variety of community relations activities which include the setting up and staffing of displays in 25 Manitoba communities in 1989/90. Sector D materials are widely disseminated through the Eaton Place Info Centre and the Mobile Info Centre.

Adjusted Vote 1988-89			Year Ending March 31, 1990	
SY	$		SY	$
		PERSONNEL		
1:00	56,800	Managerial	1:00	57,700
20:48	586,200	Professional/Technical	17:48	502,200
2:26	56,500	Administrative Support	1:26	32,200
--	(419,700)	Less: Transferred to Enabling Vote 26	--	(355,300)
24:22	279,800	Total Personnel	20:22	236,800 [1]
		OTHER EXPENDITURES		
	130,500	Transportation		130,500
	106,200	Communication		106,200
	879,700	Supplies and Services		849,200
	3,000	Capital		3,000
	37,700	Other Operating		37,700
	(694,300)	Less: Transferred to Enabling Vote 26		(676,000)
	462,800	Total Other Expenditures		450,600
	742,600	TOTAL EXPENDITURES		687,400

[1] Reduction is primarily due to departmental reorganization.

Adjusted Vote 1988/89	Appro. No.	Energy and Mines (XXIII) Details of Appro.	Year Ending March 31, 1990	Resolution No.
1,500,000	4.	MANITOBA ENERGY AUTHORITY	1,323,100	

			Reference Number
1,500,000	Manitoba Energy Authority	1,323,100	1

Sub-Appropriation No. 4

REFERENCE NO. 1

MANITOBA ENERGY AUTHORITY

Objectives

The objectives of the Manitoba Energy Authority are to formulate and carry out energy policies designed:

a) to assure a continuing and adequate supply of energy in the province;

b) to alleviate the effects of any energy shortage that may occur in the province; and

c) to promote the establishment, development and operation within the province of industries or undertakings that are, by their nature, energy-dependent.

- To negotiate or direct negotiations for the sale or purchase of electrical energy exported from, or imported to, the province.

- To provide, upon request, advice and information with regard to energy matters to other agencies and commissions of the government.

- To coordinate public policy objectives related to hydro development, particularly with regard to purchasing and tendering, industrial benefits, and training and employment.

- To manage the affairs of the corporation with due regard for the economy, efficiency and effectiveness of public funds within established crown corporation standards.

Activity Identification

- Develop and implement policies to ensure the long-term stability and availability of electrical energy supply to Manitobans.

- Investigate and review data on the supply and demand for energy, develop plans for the allocation of supplies of energy, monitor the plans and programs of other jurisdictions for the allocation of supplies of energy, and liaise with the Government of Canada with regard to the Energy Supplies Emergency Act, 1979 (Canada).

- Negotiate export sales of electrical energy with other provincial utilities and with utilities in the United States.

- Promote the establishment, development and operation of energy intensive industries within the province.

- Promote Manitoba's rich deposits of industrial minerals including dolomite, chromite, spodumene, tantalite, polucite and high purity silica sand, mainly used in the production of advanced materials and where processing requires large volumes of electrical energy, with international investors.

Sub-Appropriation No. 4

REFERENCE NO. 1

MANITOBA ENERGY AUTHORITY

Activity Identification (cont'd)

- Undertake pre-feasibility studies with Japanese interests in a Manitoba cesium plant and continue discussions with American interests in establishing an aluminum smelter in Manitoba.

- Coordinate all departmental and Manitoba Hydro activities related to industrial and employment benefits associated with the Limestone Generating Station Project.

- Negotiate and administer industrial benefit agreements associated with selected large Manitoba Hydro supply contracts.

Expected Results

- The output/expected results of the Authority's activities vary depending on the public policy objective(s) pursued, but generally include briefing documents, reports and recommendations which:

  - Result in contingency plans for implementation in the event of any energy shortage in the province.

  - Keep the Minister appraised of current conditions relating to the present and future availability of energy supplies in Manitoba, in Canada and in other countries.

  - Result in negotiating positions for the profitable sale or purchase of electrical energy exported from, or imported to, the province; and leading ultimately to finalized electricity export/import arrangements.

  - Result in the development of industry-specific marketing strategies to promote the processing of indigenous minerals where such processing requires large volumes of electrical energy.

  - Result in a raised profile of Manitoba in the Japanese market as an attractive location for investment.

  - Result in the identification and assessment of potential opportunities for energy intensive industrial development projects and in undertaking the necessary negotiations and participating in feasibility studies leading to the selection of Manitoba as a location for new and/or existing industries. (The MEA/Dow Corning Corporation: Manitoba Silicon Products Commercial Development Program announced December 6, 1988 is a prime example of such effort.)

  - Result in specific policies, and monitoring and assessing the implementation of those policies, including the administration of three separate Industrial Benefits Agreements, to assure maximum economic and social benefits accrue to Manitobans from the building of the Limestone Generating Station.

Sub-Appropriation No. 4

REFERENCE NO. 1

MANITOBA ENERGY AUTHORITY

Adjusted Vote 1988-89			Year Ending March 31, 1990	
SY	$		SY	$
--	--	PERSONNEL	--	--
	1,500,000	OTHER EXPENDITURES		1,323,100
--	1,500,000	TOTAL EXPENDITURES	--	1,323,100

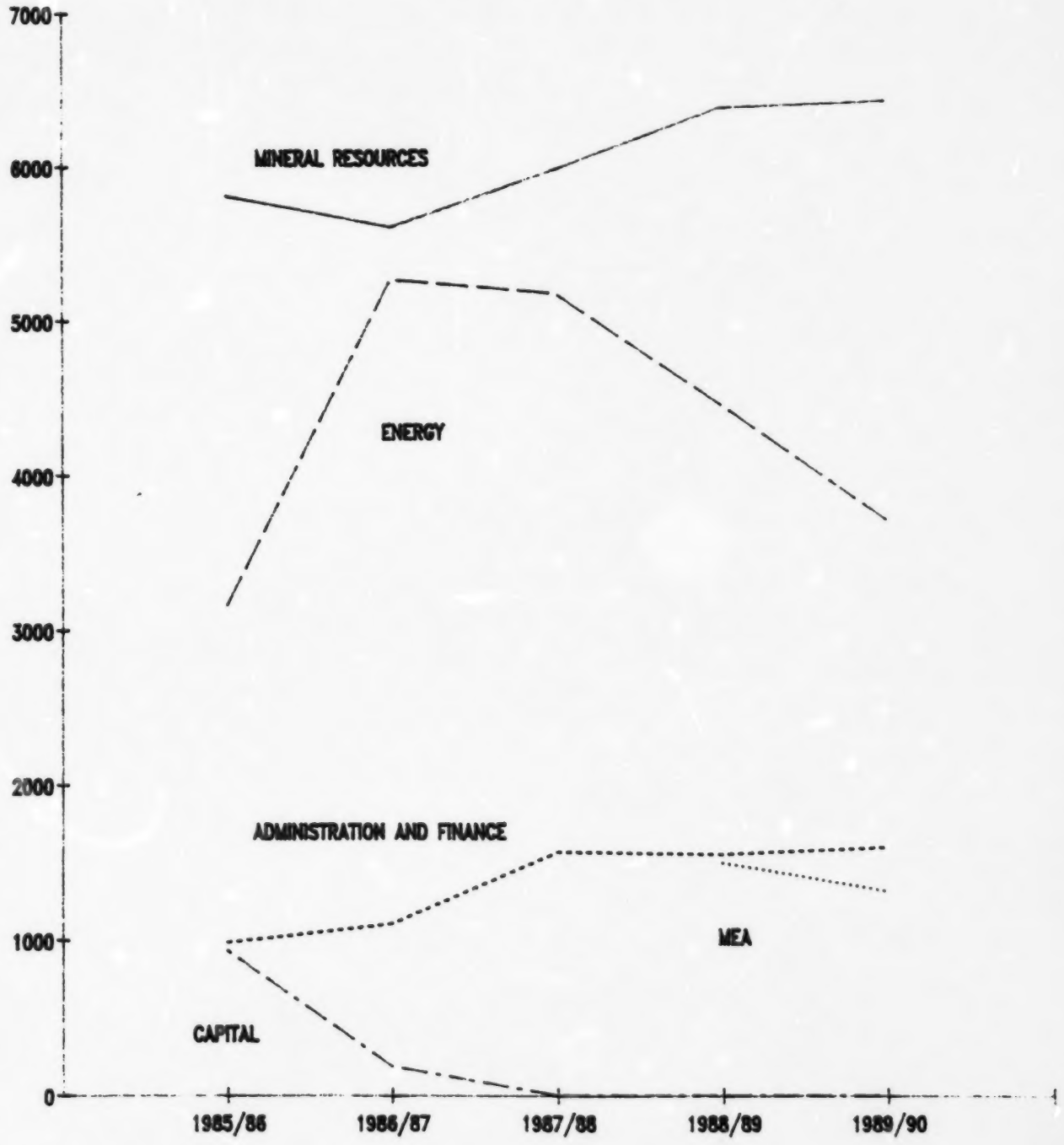
PART 3
HISTORICAL INFORMATION

DEPARTMENT OF ENERGY AND MINES
FIVE YEAR EXPENDITURE AND STAFFING SUMMARY
BY APPROPRIATION ($000)
FOR YEARS ENDING MARCH 31, 1986 - MARCH 31, 1990

Program	Actual Expenditures 1985/86 SY	$	Actual Expenditures 1986/87 SY	$	Actual Expenditures 1987/88 SY	$	Adjusted Vote 1988/89 SY	$	Main Estimates 1989/90 SY	$
Admin. & Finance	25:50	987.9	27:20	1,109.6	34:46	1,574.2	34:26	1,548.0	33:26	1,593.0
Energy	54:19	3,164.9	52:46	5,273.4	51:04	5,177.5	53:00	4,455.0	44:00	3,709.3
Mineral Resources	121:45	5,812.8	116:51	5,611.1	117:28	5,982.7	119:48	6,379.2	115:48	6,421.3
Manitoba Energy Auth.	-	-	-	-	-	-	-	1,500.0	-	1,323.1
Capital	-	933.5	-	188.1	-	-	-	-	-	-
Totals	202:10	10,899.1	197:13	12,182.2	203:26	12,734.4	207:22	13,882.2	193:22	13,046.7

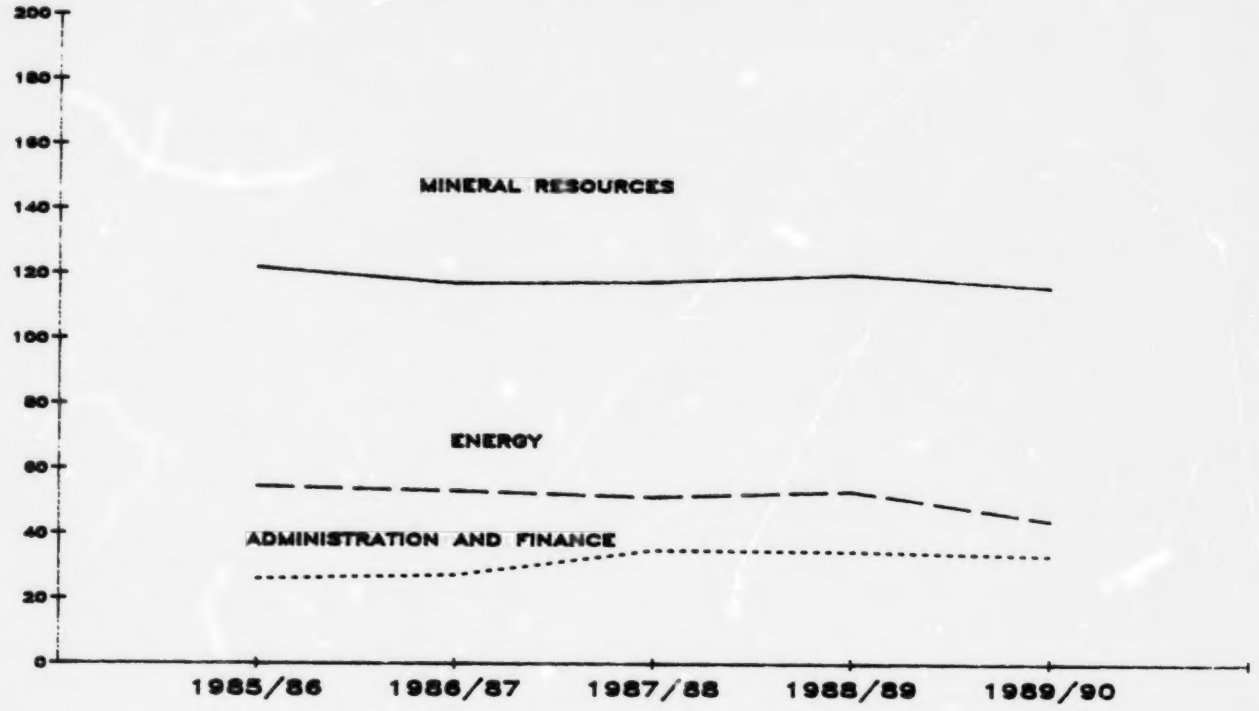
NOTE: Totals include Canada/Manitoba Enabling Vote.

DEPARTMENT OF ENERGY AND MINES
FIVE YEAR EXPENDITURE HISTORY
BY OPERATING DIVISION



APPENDIX 3

DEPARTMENT OF ENERGY AND MINES
FIVE YEAR STAFFING HISTORY
BY OPERATING DIVISION



APPENDIX 4

DEPARTMENT OF ENERGY AND MINES
FIVE YEAR STAFF HISTORY